

Complaint Information

EP DOGO NCDO Dstr Off

Complnt Id: 287904 Related Complnt Id: None
Municipality: Terry Township County: Bradford
Entered By: RUTH E PRIESTER Confidential(Y/N): Y
Source: Email ER Related (Y/N): N After Hours Ind (Y/N): N
Date Received: 02/20/2012 Date Acknowledged: -
Abbrev. Description: rust color and sediment coming from well water
Long Description: Complainant alleges in the last 6-8 months, he has been experiencing a rust color and sediment coming from his water well. During the site visit, no color or sediment was seen. Please note this property owner has a history of iron, and currently does not have his water softener running
Site Location: [REDACTED]

Responsible Party Information

Name: -
Home Phone: - Work Phone: 405-935-4073 Ext: -
Company Name: CHESAPEAKE APPALACHIA LLC (AKA
Address: CHESAPEAKE ENERGY)
PO BOX 18496
OKLAHOMA CITY, OK 73154-0496 Mobile Phone: -
Municipality: Permit#: -
County: Out Of State

Response Information

Priority: 2
Program: Oil & Gas
Complaint Type: Water Supply
Date Resp Assigned: 02/20/2012
Date Response Due: 03/05/2012
Date First Response: 02/22/2012
Date Resolved: 03/20/2012
Date Referred: -
Referred To: -
Comments: -
Inspector: GENE T RICKARD

Supervisor: MICHAEL T O'DONNELL

Investigation Information

Date Investn Assigned: 02/20/2012
Inspector: GENE T RICKARD
eFACTS Inspection Id: Date Investigated: 02/22/2012
Investigation Description: Sampled complainant's water supply on 2/22/12. Sample 0257061 was collected from the pressure tank spigot. Meth and 946 suites to be ran on the sample. Sample was clear and had a sulfur odor. Violation(Y/N): No Type: Site Visit
Investigation Id: 292811

Investigation Information

Date Investn Assigned:	02/20/2012	Date Investigated:	03/20/2012	Type:	Phone Call
Inspector:	GENE T RICKARD	Violation(Y/N):	No		
eFACTS Inspection Id:		Investigation Id:	292815		
Investigation Description:	Received sample results back from lab. Reviewed analytes tested for against Chesapeake pre-drill results collected on 10/26/09. Department results were reflective of pre-drill results. Called the complainant with results and explained that our investigation indicates that as of the time of Department sampling, there is no indication that natural gas well development has impacted their water supply.				

*** End of Report ***



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DISTRICT OIL & GAS OPERATIONS

September 25, 2012

CERTIFIED MAIL NO. 7011 3500 0000 6251 5468

Barry Reese
985 Rienze Road
Wyalusing, PA 18853

Re: 58 Pa.C.S. § 3218 Determination
Complaint No. 287904
Terry Township, Bradford County

PROGRAM ONG CONF. Y/N N
FILE NAME BRADFORD CNTY WATER SUPPLY
BREAKDOWN GENERAL
TYPE CONFIDENTIAL
COUNT BRADFORD MUNI. TERRY TWP
COMMENTS COMPLAINT #287904
E. RICKARD

Dear [REDACTED]:

The Department has investigated the possible degradation of your water supply well located at 985 Rienze Road in response to a 2/20/12 complaint that recent gas well drilling activities may have affected your water supply well. On 2/22/12, the Department collected samples from your home water supply. The samples were submitted to the Department's laboratory in Harrisburg for analysis. The analytical reports for the samples are included, as well as documents that will assist you with interpreting the sample results.

The sample results revealed that manganese and iron were elevated above the Department's secondary MCL (SMCL). An exceedance of the SMCL does not indicate a potential risk to human health, but rather reflect the aesthetics of the water (i.e. taste, smell, etc.). Manganese had a concentration of 0.9 mg/L exceeding the SMCL of 0.05 mg/L. Iron had a concentration of 0.44 mg/L exceeding the SMCL of 0.3 mg/L. The presence of manganese and iron in your water supply appears to be related to background conditions. At this time, the Department's investigation does not indicate that gas well drilling has impacted your water supply.

Should you have any questions concerning this matter, please feel free to contact me at 570-346-5534.

Sincerely,

Gene Rickard
Water Quality Specialist
Eastern Oil and Gas District

Enclosures: Laboratory Analytical Results
"How to Interpret A Water Analysis Report"

cc: Mike O'Donnell
William Kosmer, P.G.
Complaint File # 287904



Date of Issue: 03/20/2012 04:03:50
PAGE 1 of 2
DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Oil And Gas Mgmt

Sample ID: 0257 061

Status: IN

PROCESS

Name of Sample Collector:
Date Sample was Collected: 02/22/2012

County: NOT INDICATED
Municipality: NOT INDICATED

State:

Sample Medium :
Sample Medium Type:

Location: NOT INDICATED
Reason: Complaint

Laboratory Sample ID: I2012005390
IN PROCESS
Standard Analysis: 946

Legal Seal: I017625	Intact: YES
Legal Seal: I017626	Intact: YES
Legal Seal: I017624	Intact: YES
Legal Seal: I017623	Intact: YES

Date

And Time

Test Codes/CAS# - Description

Reported Results

Analyzed Analyst Test Method

00403	pH			8.0 pH units
02/23/2012 01:27 PM	GDELONG	SM 4500H-B		
** Comment ** Time Limit For Test Exceeded				

00095	SPC @ 25.0 C			297.00 umhos/cm
02/24/2012 01:45 PM	GDELONG	SM 2510B		
00410	ALKALINITY			158.0 MG/L
02/23/2012 01:27 PM	GDELONG	SM 2320B		
00530	T SUSP SOLID			<5 MG/L
02/23/2012 12:00 AM	LWILKINSONUSGS	I-3765		

71870	BROMIDE			<0.2 MG/L
02/23/2012 12:00 AM		FVODCPIVECEPA	300.0	
82079	TURBIDITY			3.23 NTU
02/23/2012 02:47 PM		TVOROBECHEPA	180.1	
00945A	SULFATE T			<15.0 MG/L
03/01/2012 03:23 PM		RRANGEL	EPA 375.2	
00927A	MAGNESIUM T			5.258 MG/L
02/24/2012 09:54 AM		RWHEELER	EPA 200.7	
01105A	ALUMINUM T			<200 UG/L
02/24/2012 09:54 AM		RWHEELER	EPA 200.7	

PAGE 2 of 2

Analytical Report FOR
Oil And Gas Mgmt

Sample ID: 0257 061

Status: IN

PROCESS

And Time				Date
Test Codes/CAS# - Description				Reported Results
Analyzed	Analyst	Test Method		
00916A	CALCIUM T			37.100 MG/L
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
00937A	POTASSIUM T			<1.00 MG/L
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
01132A	LITHIUM T			<25 UG/L
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
00929A	SODIUM T			18.300 MG/L
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
01092A	ZINC T			<10.0 UG/L
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
01055M	Mn in MG/L			0.90 MG/L
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
01007M	Ba in MG/L			0.692 MG/L
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
01045M	Fe in MG/L			0.43 MG/L
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
01082M	Sr in MG/L			0.98 MG/L
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
70300	TDS @180 C			192 MG/L
02/23/2012 12:00 AM	LWILKINSONSM	2540 C		
00940A	CHLORIDE			2.5 MG/L
02/28/2012 06:46 PM	CRADCK	SM 4500-CL		
00900	Hardness T			114 MG/L
02/24/2012 09:54 AM	RWHEELER	SM 2340 B		

The results of the analyses provided in this laboratory report relate only to the sample(s) identified in the report. Unless otherwise noted, the results presented on this laboratory report meet all the requirements of The NELAC Institute (TNI). Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report. Tests noted with an "*" are not included in our NJ NELAP Annual Certified Parameter List.

Taru Upadhyay, Technical Director, Bureau of Laboratories

Date of Issue: 03/13/2012 12:03:15
PAGE 1 of 3
DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Oil And Gas Mgmt

Sample ID: 0257 061

Status: Completed

Name of Sample Collector: Gene T Rickard
Date Sample was Collected: 02/22/2012 12:00:00 PM

County: NOT INDICATED
Municipality: NOT INDICATED

State:

Sample Medium :
Sample Medium Type:

Location: NOT INDICATED
Reason: Complaint

Laboratory Sample ID: O2012001664
Completed

Suite: METH

Legal Seal: I017623	Intact: YES
Legal Seal: I017624	Intact: YES
Legal Seal: I017625	Intact: YES
Legal Seal: I017626	Intact: YES

Date

And Time

Test Codes/CAS# - Description

Reported Results

Analyzed Analyst Test Method

74840	Ethane			12.4 UG/L (U)
02/24/2012 02:00 AM		DACLEMENS BOL	BOL6019	
74828	Methane			326 UG/L
02/24/2012 02:00 AM		DACLEMENS BOL	BOL6019	
74986	Propane			14.2 UG/L (U)
02/24/2012 02:00 AM		DACLEMENS BOL	BOL6019	

PAGE 2 of 3

Analytical Report FOR
Oil And Gas Mgmt

Sample ID: 0257 061

Status: Completed

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Taru Upadhyay, Technical Director, Bureau of Laboratories

Analytical Report FOR
Oil And Gas Mgmt

Sample ID: 0257 061

Status: Completed

ORGANICS LABORATORY QUALIFIERS

U - Indicates analysis was performed for the compound but it was not detected.

The sample quantitation limit is reported.

J - Indicates an estimated value, below the quantification limit, but above the method detection limit.

N - Indicates presumptive evidence of a compound.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

P - This flag is used with a target analyte when there is greater than a 25% difference between the results obtained from the primary and confirmation

columns for dual column analysis methods (i.e. pesticides, triazines, PCBs, etc). The reported value is the average of the two results.

Q - This flag identifies the average of multiple results from multiple analyses, or the average of the averages of dual column analysis methods.

- (Underline) - The compound is present at the amount reported. No flag.

X - Non-target analytes co-elute with compound. Identification unable to be confirmed.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BARRY REESE
 985 RIENZE RD
 WYALUSING PA 18853

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Barry Reese

☐ Agent

☐ Addressee

B. Received by (Printed Name)

Barry Reese

C. Date of Delivery

2/5/12

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☐ No

0001 012012

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number

(Transfer from service label)

7011 3500 0000 6251 5468

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

PA DEPT OF ENVIRONMENTAL PROTECTION
BUREAU OF OIL & GAS MANAGEMENT
SCRANTON DISTRICT OFFICE
SAMTER BLDG RM 400
101 PENN AVE
SCRANTON PA 18503

RECEIVED

OCT 01 2012

OIL & GAS
SCRANTON OFFICE

CR



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DISTRICT OIL AND GAS OPERATIONS

NCR
Compl # 287904

X

March 27, 2012

CERTIFIED MAIL NO. 7009 1680 0002 0993 4806

Barry Reese
985 Rienze Road
Wyalusing, PA 18853

Re: Act 223, Section 208 Determination
Complaint No. 287904
Terry Twp., Bradford County

Dear Mr. [REDACTED]:

The Department is investigating the possible degradation of your water supply in response to a 2/20/2012 complaint that recent gas well drilling activities may have affected your water well. The Department collected samples from your home water supply. The samples were submitted to the Department's laboratory in Harrisburg for analysis. The analytical reports for the samples are included, as well as documents that will assist you with interpreting the sample results.

The Department is continuing to investigate. Should you have any questions concerning this matter, please feel free to contact me at 570-346-5534.

Sincerely,

Gene Rickard
Water Quality Specialist
Eastern Oil and Gas District

Enclosures: Laboratory Analytical Results
"How to Interpret A Water Analysis Report"

cc: Complaint File

Enclosure

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the item to you.
- Attach this label to the package or on the inside of the box.

1. Article Address

1. Article Address

BARRY REESE
985 RIENZER RD
[REDACTED]

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Barry Reese

- ☐ Agent
- ☐ Addressee

(Name)

G. Date of Delivery

- ☐ Yes
- ☐ No

APR 09 2012

[REDACTED]

- ☒ Certified Mail
- ☐ Registered
- ☐ Insured Mail
- ☐ Express Mail
- ☐ Return Receipt for Merchandise
- ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

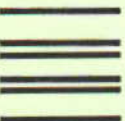
- ☐ Yes

2. Article Number

(Transfer from service label)

7009 1680 0002 0993 4806

UNITED STATES POSTAL SERVICE



First-Class Mail
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BUREAU OF OIL & GAS MANAGEMENT
SCRANTON DISTRICT OFFICE
SAMTER BLDG RM 400
101 PENN AVE
SCRANTON PA 18503

APR 09 2012

RECEIVED

OIL & GAS
SCRANTON DISTRICT OFFICE



CR

Date of Issue: 03/20/2012 04:03:50
PAGE 1 of 2
DEP Bureau Of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

Analytical Report FOR
Oil And Gas Mgmt

Sample ID: 0257 061

Status: IN

PROCESS

Name of Sample Collector: Gene T Rickard
Date Sample was Collected: 02/22/2012

County: NOT INDICATED
Municipality: NOT INDICATED

State:

Sample Medium :
Sample Medium Type:

Location: NOT INDICATED
Reason: Complaint

Laboratory Sample ID: I2012005390
IN PROCESS
Standard Analysis: 946

Legal Seal: I017625	Intact: YES
Legal Seal: I017626	Intact: YES
Legal Seal: I017624	Intact: YES
Legal Seal: I017623	Intact: YES

And Time	Date
Test Codes/CAS# - Description	
Analyzed Analyst Test Method	Reported Results
00403 pH	
02/23/2012 01:27 PM GDELONG SM 4500H-B	8.0 pH units
** Comment ** Time Limit For Test Exceeded	
00095 SPC @ 25.0 C	
02/24/2012 01:45 PM GDELONG SM 2510B	297.00 umhos/cm
00410 ALKALINITY	
02/23/2012 01:27 PM GDELONG SM 2320B	158.0 MG/L
00530 T SUSP SOLID	
02/23/2012 12:00 AM LWILKINSONUSGS I-3765	<5 MG/L

71870	BROMIDE			<0.2 MG/L
02/23/2012 12:00 AM		FVODOPIVECEPA	300.0	
82079	TURBIDITY			3.23 NTU
02/23/2012 02:47 PM		TVOROBECHEPA	180.1	
00945A	SULFATE T			<15.0 MG/L
03/01/2012 03:23 PM		RRANGEL	EPA 375.2	
00927A	MAGNESIUM T			5.258 MG/L
02/24/2012 09:54 AM		RWHEELER	EPA 200.7	
01105A	ALUMINUM T			<200 UG/L
02/24/2012 09:54 AM		RWHEELER	EPA 200.7	

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Analytical Report FOR
Oil And Gas Mgmt

Sample ID: 0257 061 Status: IN
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And Time				Date
Test Codes/CAS# - Description				
Analyzed	Analyst	Test Method	Reported Results	
00916A	CALCIUM T		37.100 MG/L	
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
00937A	POTASSIUM T		<1.00 MG/L	
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
01132A	LITHIUM T		<25 UG/L	
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
00929A	SODIUM T		18.300 MG/L	
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
01092A	ZINC T		<10.0 UG/L	
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
01055M	Mn in MG/L		0.90 MG/L	
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
01007M	Ba in MG/L		0.692 MG/L	
02/24/2012 09:54 AM	RWHEELER	EPA 200.7		
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P.O. Box 1467
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Contact Phone Number: (717) 346-7200

Analytical Report FOR
Oil And Gas Mgmt

Sample ID: 0257 061

Status: Completed

Name of Sample Collector: Gene T Rickard

Date Sample was Collected: 02/22/2012 12:00:00 PM

County: NOT INDICATED

State:

Municipality: NOT INDICATED

Sample Medium :
Sample Medium Type:

Location: NOT INDICATED
Reason: Complaint

Laboratory Sample ID: 02012001664
Completed

Suite: METH

Legal Seal: I017623	Intact: YES
Legal Seal: I017624	Intact: YES
Legal Seal: I017625	Intact: YES
Legal Seal: I017626	Intact: YES

And Time

Date

Test Codes/CAS# - Description

Reported Results

Analyzed

Analyst

Test Method

74840	Ethane			12.4 UG/L (U)
02/24/2012 02:00 AM		DACLEMENS BOL	BOL6019	
74828	Methane			326 UG/L
02/24/2012 02:00 AM		DACLEMENS BOL	BOL6019	
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Analytical Report FOR
Oil And Gas Mgmt

Sample ID: 0257 061

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Q - This flag identifies the average of multiple results from multiple analyses, or the average of the averages of dual column analysis methods.

 - (Underline) - The compound is present at the amount reported. No flag.

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